

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: May 17, 2005

Inspector: Don Ukers

Location: 345kV XLPE Component

Storm/

Rain Event: Between 2.37-3.54" of rain was recorded on 5/12 with another 1.30-2.04" over 5/15-5/16 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	-The jack and bore of East Swamp Brook is accessed from the roadway. 2/16-5/17/06.	- Equipment is located on both sides of the bore as well as in the adjacent ball park during the day. 5/17/06.	- Not applicable (N/A)
	- No obvious sediment tracking was present on the roadway. 5/17/06	-Work is mostly inactive at the jacking pit. Continue to monitor. 5/17/06	-N/A
	-Cable was being pulled from the vault at Plumtree Substation access drive. 5/17/06	- None at this time. 5/17/06	-N/A
	- All observed catch basins near disturbed areas were placed with controls. 5/17/06	-Continue to place controls on CBs where work will occur adjacent. 5/17/06	- CBs are being covered.
	- Areas along Whittlesey Dr. were being graded and restored. 5/17/06	- Continue restoration efforts. 5/17/06	- Areas were being restored.
	-The stone access off Rt. 58 is in good shape but some vehicle tracking remains in the wetland where the mats were removed. 4/12-5/17/06	- Stone will be removed at the end of work here. See other sections for more information. 4/6-5/17/06	- N/A.
	- Work will return here eventually to connect to	-Avoid backtracking into this area since the mats	-Needs attention when work is

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	the trench. Ruts will be repaired at that time. 5/17/06	have already been pulled. Restoration should occur when work here is complete. 4/12-5/17/06	complete
Trench and foundation construction	- Work at the jack and bore of East Swamp Brook located at the intersection of Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. is ongoing but inactive at this time. Sheet piling/shoring is in place on both sides of the intersection. 5/17/06	- The area remains well contained at this time but the operation is running into significant problems with keeping water out of the trench. Work is on hold while other options are being evaluated. 4/26-5/17/06	-N/A
	-Work is complete in the pull-off near vault 2a and b and the area should be restored when access needs are complete. 5/10-5/17/06	-See EC section for more details. 5/17/06	-Recent rains delayed the restoration attempts
	- Most roadway trench work appeared complete. Work was occurring to restore adjacent areas. 5/17/06	- See EC section for more details. Permits are needed to continue trench work into Rt. 58. 4/26-5/17/06	-N/A
	-Vaults were being accessed to pull cable between some locations. 5/17/06 -The trench is complete along the slope at Hoyts Hill with a small area of open trench remaining at the base. 4/6-5/17/06	- None at this time. 5/17/06 - See erosion control section for more details 5/17/06	- N/A - N/A
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event) Walnut Hill Rd.	- Work is complete near vault 2A&B. Silt fence remains in place but the area will need some restoration. 5/10-5/17/06 - All materials have been picked up here. 5/17/06	- Efforts were made to bring in topsoil but recent rains caused delays. 5/17/06 Keep stone surface to the minimum necessary. Allow natural revegetation where possible. 5/10-5/17/06	-Rains caused a delay in efforts -Filter bags and all materials were removed
	-The plastic liner remains within the stream bed. The sandbag	-The stream was still running clear at the time and diversions will be	-N/A at the time

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<p>Jack and Bore</p> <p>Whittlesey Dr and Judd Ave</p> <p>Hoyts Hill</p>	<p>diversion is in place but excess water is still a problem here. 5/17/06</p> <p>- Silt fence remains adjacent to some stored materials at the ball park. 5/17/06</p> <p>- Previously disturbed areas adjacent to the trench were being graded and restored. 5/10-5/17/06</p> <p>-Equipment was still located in the area of vault 5. 5/4-5/17/06</p> <p>-Equipment tracking was noted in the wetland beyond the stone access where mats had previously been. 4/19-5/10/06</p>	<p>removed soon. New solutions are being investigated. 5/17/06</p> <p>- None at this time. 5/17/06</p> <p>- Continue to restore and revegetate these areas. 5/10-5/17/06</p> <p>- The area will continue to be accessed but should be restored when feasible. 5/17/06</p> <p>- Mats may have been removed prematurely. The wetland surface should be restored when work is complete here. 4/19-5/10/06</p>	<p>-N/A</p> <p>- Restoration was occurring.</p> <p>- N/A</p> <p>-Needs attention when work is complete</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>-East Swamp Brook crosses under Plumtrees Rd. A large plastic liner is in place across the bed and up along the banks to keep water out of the bore trench. The sandbag diversion is also in place. 5/17/06</p> <p>-Problems with excess water continue in the trench and further methods are being evaluated. 5/4-5/17/06.</p>	<p>- The stream continues to run clear. The liner and diversions will be removed soon. 5/17/06</p> <p>Watch the banks where soil was disturbed for any erosion. 2/16-5/17/06</p> <p>- Sheet piling in the stream may be necessary and appropriate permits will be obtained. Options are still being evaluated 5/4-5/17/06</p>	<p>-N/A at this time until the work is complete</p> <p>- N/A at this time.</p>
State species of concern, threatened and endangered species	<p>-The D&M plan and clearance letter states that state-listed species are not located in this work area.</p> <p>-However, a wood turtle was noted at Plumtree Substation last spring. 5/17/06</p>	<p>- N/A</p> <p>-345kV XLPE crews should also be performing daily walkthroughs before moving equipment in the morning if work returns here. 4/26-5/17/06</p>	-N/A

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Vegetative clearing limits (including trees to save or danger trees noted)	<p>-Most work on this project remains in the roadway, access drives or maintained lawn areas. Restoration was occurring in a number of adjacent lawn areas. 5/10-5/17/06</p> <p>- When restoring vault 2, a stone surface will be necessary over the vault but wetland vegetation is returning near the silt fence. 5/4-5/17/06</p>	<p>-Continue to restore lawn and vegetation as necessary, especially in areas where vaults were installed. 5/17/06</p> <p>- Keep the stone area to the minimum necessary and restore vegetation in the remaining area. 5/4-5/17/06</p>	<p>-Restoration was occurring.</p> <p>- Efforts were delayed by rain</p>
Dewatering	-The amount of water continues to overwhelm the dewatering efforts at the jack and bore. Work is on hold. Further actions are being evaluated here. 5/17/06	- In addition, the frac tank had been in use and attempts continue to divert stream water from over the work area with sand bags. These diversions will likely be removed soon. 5/17/06	-N/A
Blasting	- No blasting is occurring at this work area.	- None at this time.	-N/A
Soils	<p>- Little soil movement was noted due to the break in work. 5/17/06</p> <p>- Topsoil remains stripped and stockpiled at the contractor yard. 3/15-5/17/06</p>	<p>- None at this time. Soil work is limited at the moment while the Rt 58 permit is being obtained. 5/17/06</p> <p>- None at this time. Controls are well installed here. 3/15-5/17/06</p>	<p>- N/A</p> <p>-N/A</p>
Spills and Material Storage Areas	- Equipment should be stored overnight up to 100ft or as far from resource areas where practicable. 1/19-5/17/06	<p>- Report spills immediately, even if they are being controlled.</p> <p>- Any fuels and agents not in use should be covered and stored before leaving for the day.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid</p>	-N/A at the time

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	-Brush and some scrap sheet piling were noted in a wetland area around the dewatering box at the receiving pit of the J&B. 5/10-5/17/06	leaks) if they will be used or stored on site. - Consider cleaning these materials up as wetland vegetation is growing in here. 5/10-5/17/06	- Needs attention if feasible

Next likely scheduled inspection:

Thursday May 25, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Don Ukers



345kV XLPE: Photo shows the jack and bore stream with sandbag diversions in place. These controls will be removed soon as further options are evaluated. 5/17/06



Photo on the left shows the jacking pit where no active work was occurring. Photo on the right shows the end of the work at Hoyts Hill. 5/17/06